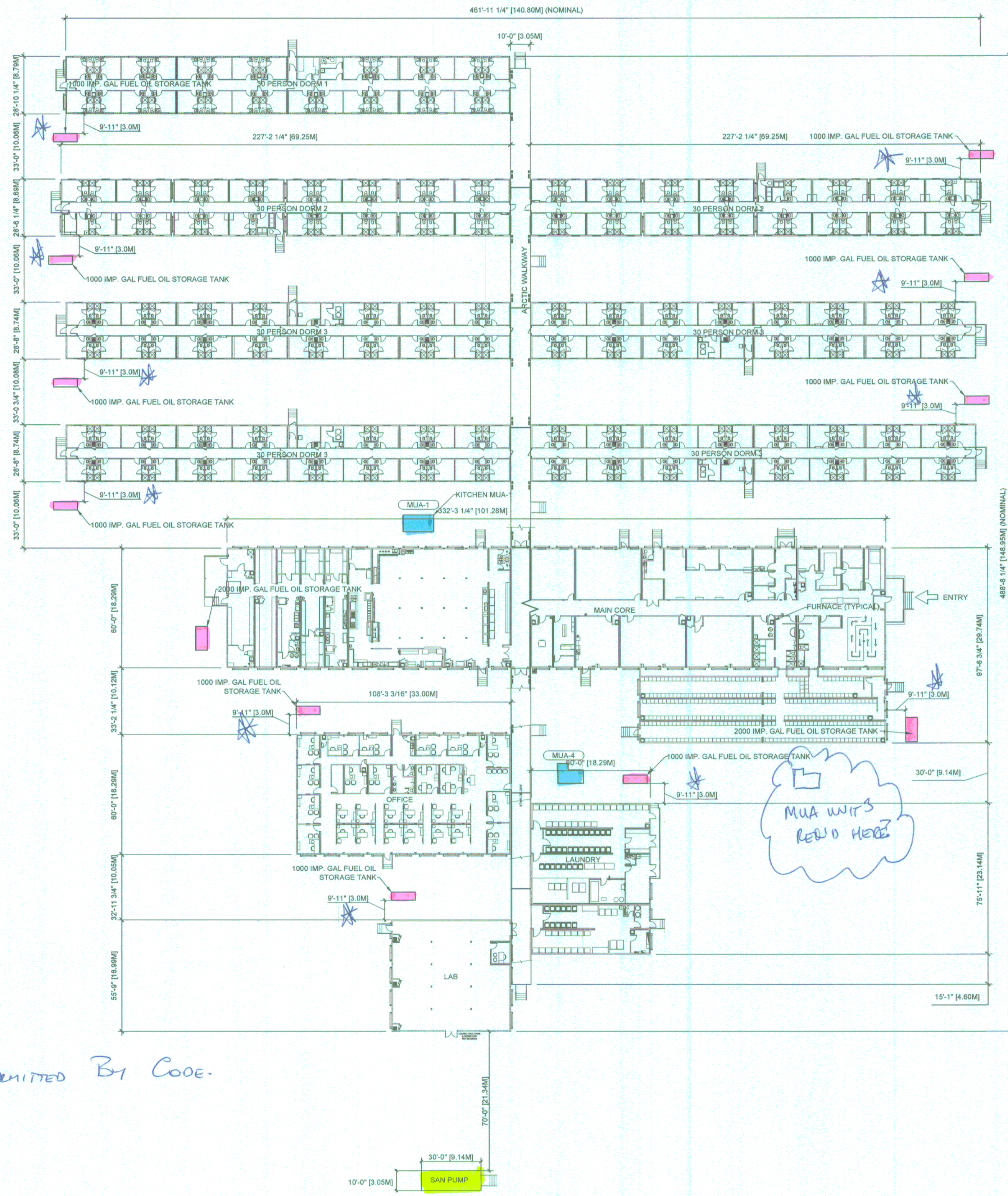
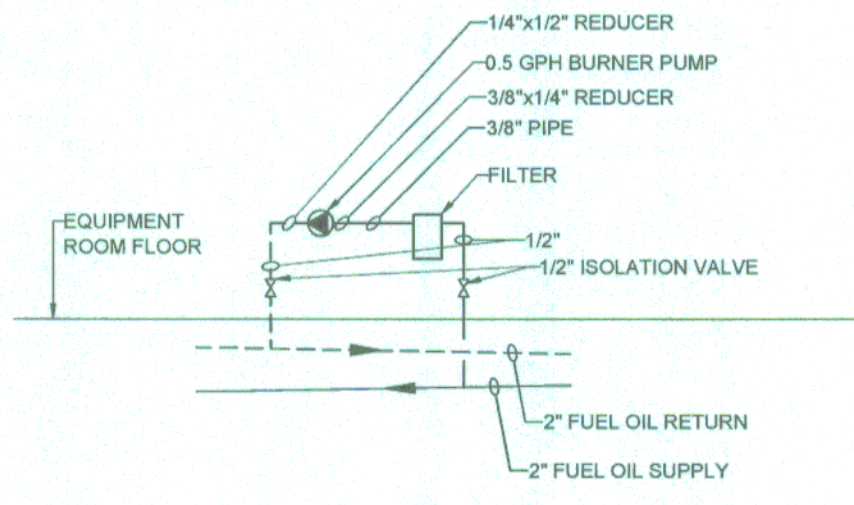
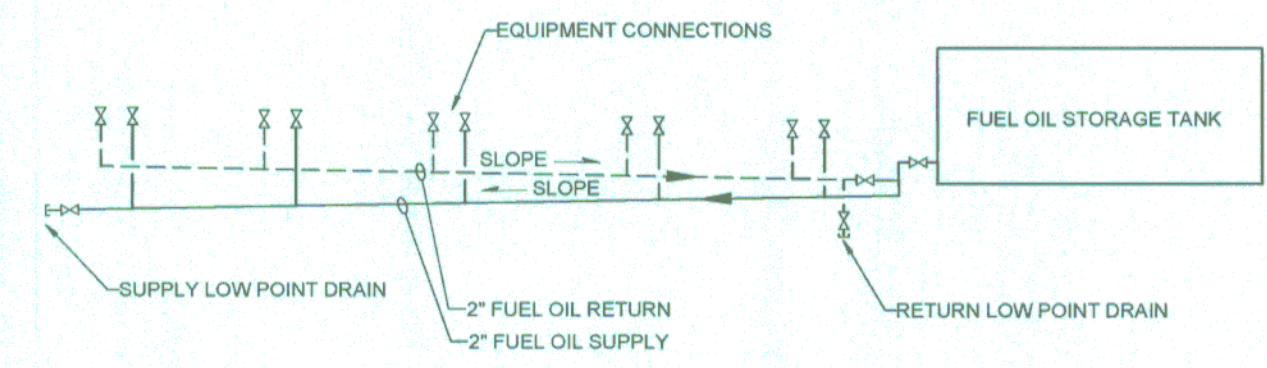




HATCH VENDOR DATA REVIEW			
Doc Number	E349000-TX001-50-014-0002	Sub	01
Date Received	31 JULY 13		
Review Grade		Next Submittal Status	
☐ C1 - Proceed to next submission & status		☐ Internal Review	
☒ C2 - Proceed with exceptions as noted to next submission & status		☒ Certified Final	
☐ C3 - Do not proceed, revise as noted & resubmit		☐ Final	
		☐ As-Built	
		Next Submittal Date:	
		12 AUG 13	
No further submission required - Complete ☐			
☐ C4 - No further submission required - Cancelled ☐			
No further submission required - Superseded ☐			
Package Coordinator: Name, signature and Date:			
M. Blythe M. Blythe 2 AUG 13			
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2 EQUIPMENT FUEL OIL CONNECTION
M001 N.T.S.



3 FUEL OIL DISTRIBUTION
M001 N.T.S.

* MOVE TANKS CLOSER TO BUILDINGS IF PERMITTED BY CODE.

1 SITE MECHANICAL
M001 1/32" = 1'-0"

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No.	DATE	DESCRIPTION	BY	CHKD
REVISIONS				

PRELIMINARY

HORIZON NORTH

1600, 505-3rd Street S.W. Calgary, AB, T2P 3E8 (403) 517-4654 1-888-366-5558

HATCH

Baffinland

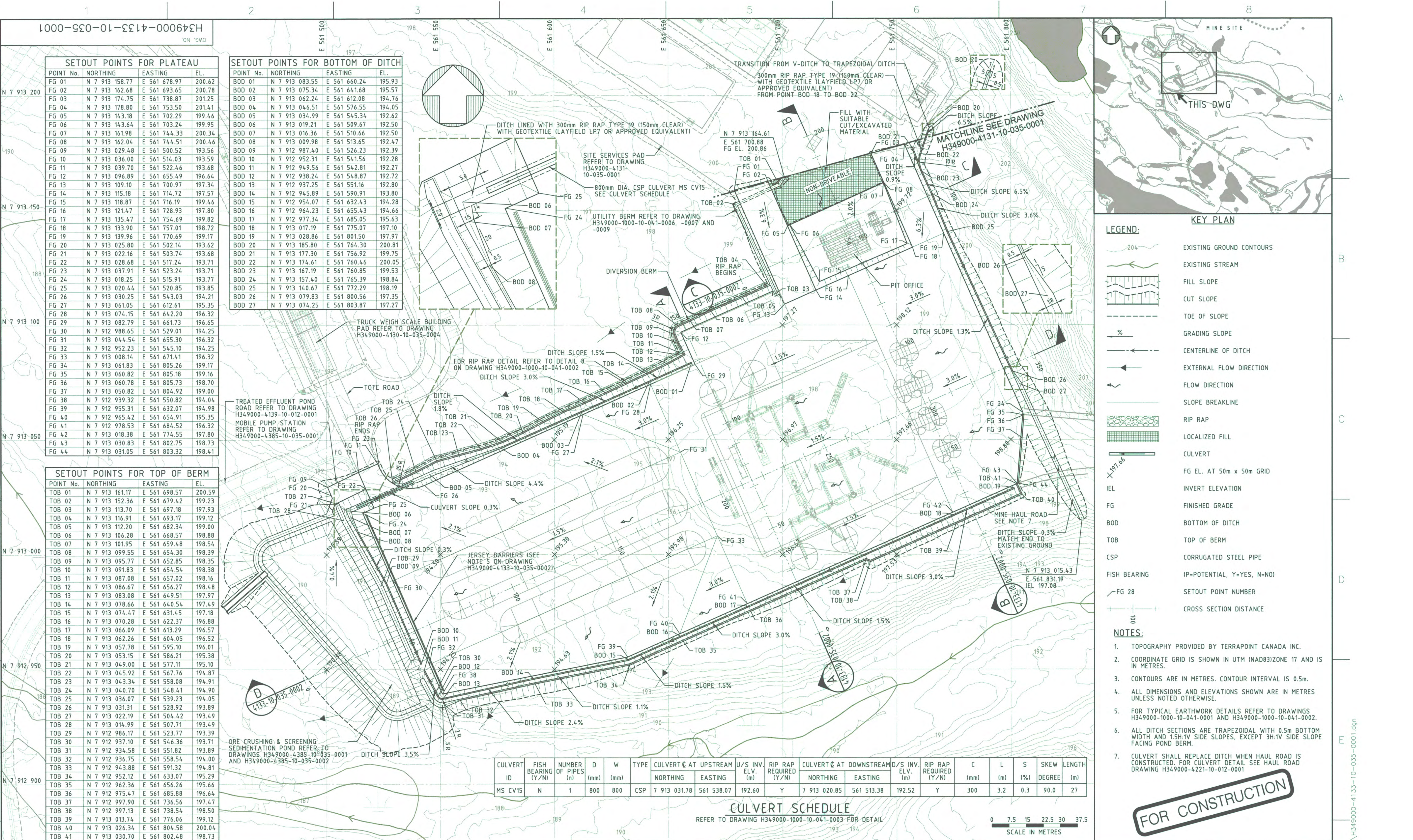
DATE : 13.04.15
PROP # : 21163
JOB # : 21163
TN # : TN -
SCALE : AS NOTED
DRAWN BY : MF
CHECKED : CC

MARY RIVER MINE SITE

BAFFIN ISLAND, NUNAVUT

FUEL OIL DISTRIBUTION

DWG No.: M001



H349000-4133-10-035-0001

SETOUT POINTS FOR PLATEAU			
POINT No.	NORTHING	EASTING	EL.
FG 01	N 7 913 158.77	E 561 678.97	200.62
FG 02	N 7 913 162.68	E 561 693.65	200.78
FG 03	N 7 913 174.75	E 561 738.87	201.25
FG 04	N 7 913 178.80	E 561 753.50	201.41
FG 05	N 7 913 143.18	E 561 702.29	199.46
FG 06	N 7 913 143.64	E 561 703.24	199.95
FG 07	N 7 913 161.98	E 561 744.33	200.34
FG 08	N 7 913 162.04	E 561 744.51	200.46
FG 09	N 7 913 029.48	E 561 500.52	193.56
FG 10	N 7 913 036.00	E 561 514.03	193.59
FG 11	N 7 913 039.70	E 561 522.46	193.68
FG 12	N 7 913 096.89	E 561 655.49	196.64
FG 13	N 7 913 109.10	E 561 700.97	197.34
FG 14	N 7 913 115.18	E 561 714.72	197.57
FG 15	N 7 913 118.87	E 561 716.19	199.46
FG 16	N 7 913 121.47	E 561 728.93	197.80
FG 17	N 7 913 135.47	E 561 754.69	199.82
FG 18	N 7 913 133.90	E 561 757.01	198.72
FG 19	N 7 913 139.96	E 561 770.69	199.17
FG 20	N 7 913 025.80	E 561 502.14	193.62
FG 21	N 7 913 022.16	E 561 503.74	193.68
FG 22	N 7 913 028.68	E 561 517.24	193.71
FG 23	N 7 913 037.91	E 561 523.24	193.71
FG 24	N 7 913 018.25	E 561 515.91	193.77
FG 25	N 7 913 020.44	E 561 520.85	193.85
FG 26	N 7 913 030.25	E 561 543.03	194.21
FG 27	N 7 913 061.05	E 561 612.61	195.35
FG 28	N 7 913 074.15	E 561 642.20	196.32
FG 29	N 7 913 082.79	E 561 661.73	196.65
FG 30	N 7 912 988.65	E 561 529.01	194.25
FG 31	N 7 913 044.54	E 561 655.30	196.32
FG 32	N 7 912 952.23	E 561 545.10	194.25
FG 33	N 7 913 008.14	E 561 671.41	196.32
FG 34	N 7 913 061.83	E 561 805.26	199.17
FG 35	N 7 913 060.82	E 561 805.18	199.16
FG 36	N 7 913 060.78	E 561 805.73	198.70
FG 37	N 7 913 050.82	E 561 804.92	199.00
FG 38	N 7 912 939.32	E 561 550.82	194.04
FG 39	N 7 912 955.31	E 561 632.07	194.98
FG 40	N 7 912 965.42	E 561 654.91	195.35
FG 41	N 7 912 978.53	E 561 684.52	196.32
FG 42	N 7 913 018.38	E 561 774.55	197.80
FG 43	N 7 913 030.83	E 561 802.75	198.73
FG 44	N 7 913 031.05	E 561 803.32	198.41

SETOUT POINTS FOR TOP OF BERM			
POINT No.	NORTHING	EASTING	EL.
TOB 01	N 7 913 161.17	E 561 698.57	200.59
TOB 02	N 7 913 152.36	E 561 679.42	199.23
TOB 03	N 7 913 113.70	E 561 697.18	197.93
TOB 04	N 7 913 116.91	E 561 693.17	199.12
TOB 05	N 7 913 112.20	E 561 682.34	199.00
TOB 06	N 7 913 106.28	E 561 668.57	198.88
TOB 07	N 7 913 101.95	E 561 659.48	198.54
TOB 08	N 7 913 099.55	E 561 654.30	198.39
TOB 09	N 7 913 095.77	E 561 652.85	198.35
TOB 10	N 7 913 091.83	E 561 654.54	198.38
TOB 11	N 7 913 087.08	E 561 657.02	198.16
TOB 12	N 7 913 086.67	E 561 656.27	198.48
TOB 13	N 7 913 083.08	E 561 649.51	197.97
TOB 14	N 7 913 078.66	E 561 640.54	197.49
TOB 15	N 7 913 074.47	E 561 631.45	197.18
TOB 16	N 7 913 070.28	E 561 622.37	196.88
TOB 17	N 7 913 066.09	E 561 613.29	196.57
TOB 18	N 7 913 062.26	E 561 604.05	196.52
TOB 19	N 7 913 057.78	E 561 595.10	196.01
TOB 20	N 7 913 053.15	E 561 586.21	195.38
TOB 21	N 7 913 049.00	E 561 577.11	195.10
TOB 22	N 7 913 045.92	E 561 567.76	194.87
TOB 23	N 7 913 043.34	E 561 558.08	194.91
TOB 24	N 7 913 040.70	E 561 548.41	194.90
TOB 25	N 7 913 036.07	E 561 539.23	194.05
TOB 26	N 7 913 031.31	E 561 528.92	193.89
TOB 27	N 7 913 022.19	E 561 504.42	193.49
TOB 28	N 7 913 014.99	E 561 507.71	193.49
TOB 29	N 7 912 986.17	E 561 523.77	193.39
TOB 30	N 7 912 937.10	E 561 546.36	193.71
TOB 31	N 7 912 934.58	E 561 551.82	193.89
TOB 32	N 7 912 936.75	E 561 558.54	194.00
TOB 33	N 7 912 943.88	E 561 591.32	194.81
TOB 34	N 7 912 952.12	E 561 633.07	195.29
TOB 35	N 7 912 962.36	E 561 656.26	195.66
TOB 36	N 7 912 975.47	E 561 685.88	196.64
TOB 37	N 7 912 997.90	E 561 736.56	197.47
TOB 38	N 7 912 997.13	E 561 738.54	198.50
TOB 39	N 7 913 013.74	E 561 776.06	199.12
TOB 40	N 7 913 026.34	E 561 804.58	200.04
TOB 41	N 7 913 030.70	E 561 802.48	198.73

SETOUT POINTS FOR BOTTOM OF DITCH			
POINT No.	NORTHING	EASTING	EL.
BOD 01	N 7 913 083.55	E 561 660.24	195.93
BOD 02	N 7 913 075.34	E 561 641.68	195.57
BOD 03	N 7 913 062.24	E 561 612.08	194.76
BOD 04	N 7 913 046.51	E 561 576.55	194.05
BOD 05	N 7 913 034.99	E 561 545.34	192.62
BOD 06	N 7 913 019.21	E 561 509.67	192.50
BOD 07	N 7 913 016.36	E 561 510.66	192.50
BOD 08	N 7 913 009.98	E 561 513.65	192.47
BOD 09	N 7 912 987.40	E 561 526.23	192.39
BOD 10	N 7 912 952.31	E 561 541.56	192.28
BOD 11	N 7 912 949.56	E 561 542.81	192.27
BOD 12	N 7 912 938.24	E 561 548.87	192.72
BOD 13	N 7 912 937.25	E 561 551.16	192.80
BOD 14	N 7 912 945.89	E 561 590.91	193.80
BOD 15	N 7 912 954.07	E 561 632.43	194.28
BOD 16	N 7 912 964.23	E 561 655.43	194.66
BOD 17	N 7 912 977.34	E 561 685.05	195.63
BOD 18	N 7 913 017.19	E 561 775.07	197.10
BOD 19	N 7 913 028.86	E 561 801.50	197.97
BOD 20	N 7 913 185.80	E 561 764.30	200.81
BOD 21	N 7 913 177.30	E 561 756.92	199.75
BOD 22	N 7 913 174.61	E 561 760.46	200.05
BOD 23	N 7 913 167.19	E 561 760.85	199.53
BOD 24	N 7 913 157.40	E 561 765.39	198.84
BOD 25	N 7 913 140.67	E 561 772.29	198.19
BOD 26	N 7 913 079.83	E 561 800.56	197.35
BOD 27	N 7 913 074.25	E 561 803.87	197.27

CULVERT ID	FISH BEARING (Y/N)	NUMBER OF PIPES (n)	D (mm)	W (mm)	TYPE	CULVERT @ AT UPSTREAM NORTHING	EASTING	U/S INV. ELY. (m)	RIP RAP REQUIRED (Y/N)	CULVERT @ AT DOWNSTREAM NORTHING	EASTING	D/S INV. ELY. (m)	RIP RAP REQUIRED (Y/N)	C	L	S	SKREW DEGREE	LENGTH (m)
MS CV15	N	1	800	800	CSP	7 913 031.78	561 538.07	192.60	Y	7 913 020.85	561 513.38	192.52	Y	300	3.2	0.3	90.0	27

CULVERT SCHEDULE

REFER TO DRAWING H349000-1000-10-041-0003 FOR DETAIL



MARY RIVER PROJECT

MINE SITE ORE CRUSHING & SCREENING EARTHWORKS & DRAINAGE - PLAN

SCALE: 1:750
DWG. NO. H349000-4133-10-035-0001

PERMIT TO PRACTICE
HATCH LTD.
Signature: [Signature]
Date: 28 Aug 13
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of NWT/NU



DESIGNED BY: M. McDUGALD
DATE: 2013-05-28
CHECKED BY: A. MOHAMED
DATE: 2013-08-29
PROJ. DES. COORD.: T. THELLE
DATE: 2013-08-29
DRAWN BY: M. McDUGALD
DATE: 2013-05-28
DISCIP. ENGR.: S. HASSAN
DATE: 2013-08-29
PROJ. ENGR.: J. CLELAND
DATE: 2013-08-29
PROJ. MGR.: S. PERRY
DATE: 2013-08-29

NO.	DESCRIPTION	BY	CHK'D APP'D	DATE

REV.	ISSUE FOR	SH	MM	DATE
0	CONSTRUCTION			2013-08-29

ISSUE AUTHORIZATION

H349000-4000-00-014-0003	MINE SITE - INFRASTRUCTURE LAYOUT
DRAWING NO.	DRAWING TITLE

REFERENCE DRAWINGS

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